

Abstract of the Disclosure

An electronic processing device for producing digitally processed
5 audio-signal effects is provided. The electronic processing device comprises,
an audio-signal input circuitry for receiving an audio input signal from a
peripheral audio device, an audio-signal output circuitry for outputting the
received audio-signal, the signal comprising a throughput signal after signal
processing, a digital signal processor for applying audio-signal effects to the
10 throughput audio-signal, one or more memory slots for receiving one or
more modular memory components and an input control mechanism for
controlling parameters of the throughput audio-signal. The one or more
modular memory components are used as storage for externally sourced
audio-signal effects such that when the one or more memory components are
15 plugged into the electronic processing device, the processing device may
utilize the effects applications stored on the one or more memory
components in the processing of the throughput audio-signal. In preferred
embodiments, the audio-effects applications are sourced on and retrieved
from a data-packet-network through network-connection capability. In some
20 embodiments, the electronic device is capable of independent network access
and download of the effects applications and in other cases, a network host
computer is used and the electronic device synchronizes to obtain new
applications. Downloading the effects applications to the modular memory
components for insertion into the device is also taught.

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